

Series: QSE/QTE

Description: Parallel Board-to-Board, 0.8mm Pitch, 8mm (0.315") Stack Height

Time Domain Data Summary

Table 3 - Single-Ended Impedance (Ω)							
Signal Risetime	30 \pm 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	68.9	63.6	59.4	52.9	50.6	50.0	50.0
Minimum Impedance	37.8	43.6	46.7	49.4	50.1	50.0	50.0

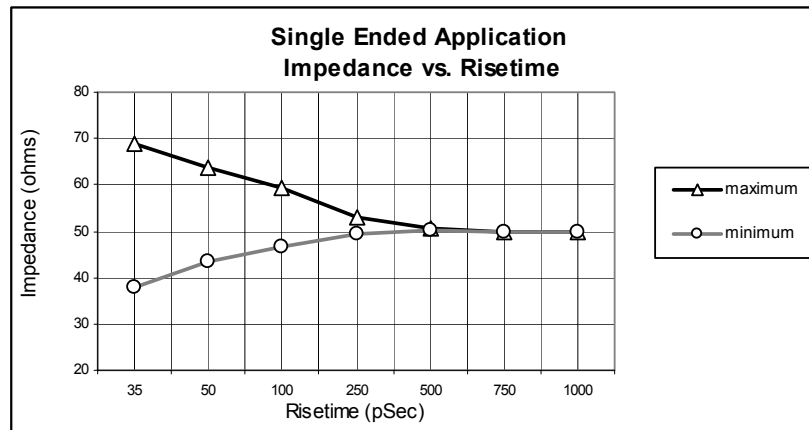
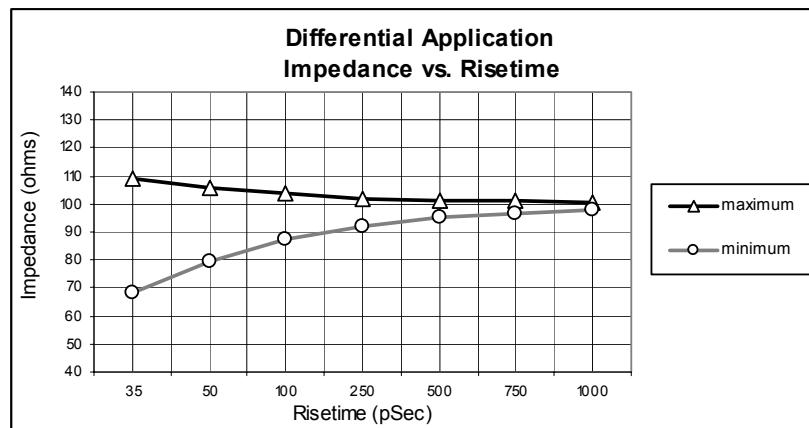


Table 4 - Differential Impedance (Ω)							
Signal Risetime	30 \pm 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	109.0	105.7	103.5	101.9	101.5	101.2	100.4
Minimum Impedance	68.5	79.6	87.3	91.7	95.0	96.6	97.8



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Table 5 - Single-Ended Crosstalk (%)

Input (t _r)		30±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
NEXT	GAQG	16.0	14.8	12.8	7.7	4.4	3.1	2.4
	GAGQG	3.5	2.8	2.4	1.5	< 1.0	< 1.0	< 1.0
	Xrow ^{se}	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
FEXT	GAQG	5.9	5.2	4.2	2.1	1.1	< 1.0	< 1.0
	GAGQG	3.5	2.8	2.4	1.5	< 1.0	< 1.0	< 1.0
	Xrow ^{se}	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 6 - Differential Crosstalk (%)

Input (t _r)		30±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
NEXT	GAAQQG	4.1	3.9	3.6	2.2	1.2	< 1.0	< 1.0
	GAAGQQG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Xrow ^{diff}	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
FEXT	GAAQQG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	GAAGQQG	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Xrow ^{diff}	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 7 - Propagation Delay (Mated Connector)

Single-Ended	97.0 ps
Differential	94.0 ps